AMENDMENT

Please amend the above-identified application as follows:

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method for dynamically provisioning computer system resources, the method comprising:

monitoring a connection performance parameter of a data communications port operating in a data communications protocol having a connection backlog queue having a connection backlog queue size, the connection backlog queue comprising one or more connection requests,

wherein monitoring a connection performance parameter of a data communications port further comprises:

receiving a connection request and determining that the connection backlog queue is full; and

calculating an average accept processing time and calculating an average connection request arrival interval for the connection backlog queue, wherein:

the accept processing time comprises the time interval between accepting connections; and

the connection request arrival interval comprises the inverse of the
connection request rate, the connection request rate comprising a rate at
which connection requests arrive and are placed in the connection backlog
queue; and

changing the connection backlog queue size in dependence upon the monitored
connection performance parameter without interrupting the operation of the data
communications port and without user intervention wherein changing the
connection backlog queue size further comprises increasing the connection
backlog queue size if the accept processing time is greater than the connection
request arrival interval.

2.   (Canceled)

3.   (Original) The method of claim 1 wherein:

monitoring a connection performance parameter further comprises monitoring a
connection backlog queue load; and

changing the connection backlog queue size further comprises changing the
backlog queue size in dependence upon the connection backlog queue load.

4.   (Original) The method of claim 1 wherein:

monitoring a connection performance parameter further comprises calculating an
average round trip time for a portion of a connection handshake and calculating
an average arrival interval between connection requests; and

changing the connection backlog queue size further comprises increasing the
connection backlog queue size if the average arrival interval is less than the

average round trip time and decreasing the connection backlog queue size if the average arrival interval is greater than the average round trip time.

5.   (Original) The method of claim 1 wherein:

monitoring a connection performance parameter further comprises calculating a bandwidth delay product for a connection backlog queue and comparing the bandwidth delay product with the queue size; and

changing the connection backlog queue size further comprises changing the backlog queue size to at least the bandwidth delay product if the connection backlog queue size is less than the bandwidth delay product.

6.   (Original) The method of claim 1 wherein:

monitoring a connection performance parameter further comprises measuring accept processing time; and

changing the connection backlog queue size further comprises changing the backlog queue size in dependence upon accept processing time.

Claims 7-21.   (Canceled)